

Title (en)

Plant and process for the recycling of sweepings, water purifier wastes and the like

Title (de)

Einrichtung und Verfahren zur Wiederverwertung von Kehrgut, Abfällen aus Wasserreinigungsgeräten und dergleichen

Title (fr)

Installation et procédé pour le recyclage de balayures, déchets des purificateurs d'eau et similaires

Publication

EP 1775267 A3 20081105 (EN)

Application

EP 06425045 A 20060130

Priority

IT MI20051187 A 20050623

Abstract (en)

[origin: EP1775267A2] A plant for the recycling of sweepings, wastes from water purifiers, excavations or environmental bonifications and the like, is substantially made up of four sections:-a) a first section suitable to carry out the wash and screening of the materials, with separation of the light organic fraction from the inert fraction and division of the latter on the base of the grain size; b) a second section suitable to carry out the physico-chemical treatment of the waste water, resulting from said washing and screening operations, with reagents for the coagulation of the inorganic substances and the precipitation of metals, with subsequent separation of the sludge resulting from said physico-chemical treatment; c) a third section suitable to carry out the mechanical dehydration of said sludge; d) a fourth section suitable to carry out the storage of the water collected throughout the plant and the recirculation thereof to the first section for the wash. This plant allows to carry out a recycling process of all the above-mentioned types of wastes with recovery and reuse of the raw materials contained therein, while producing only a very small fraction of wastes to be disposed of in a controlled landfill and/or in thermal incinerators, and moreover a portion of the wastes to be disposed of are anyway intended for recovery in furnaces and/or cement plants (sludge) or for composting (organic materials).

IPC 8 full level

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Citation (search report)

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